

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

10/593,349

Source:

IFWP

Date Processed by STIC:

10/2/06

# ***ENTERED***

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/593,349

CRF Edit Date: 10/2/06  
Edited by: TEL

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 10/02/2006

PATENT APPLICATION: US/10/593,349

TIME: 15:47:12

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

```

3 <110> APPLICANT: Kawase, Mitsuo
4     Yoshida, Yasuko
5     Yamada, Kazunari
6     Takarada, Yutaka
7     Hashimoto, Kouzo
9 <120> TITLE OF INVENTION: DNA Array and Method for Detecting Single Nucleotide
Polymorphism
11 <130> FILE REFERENCE: 129422
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/593,349
C--> 14 <141> CURRENT FILING DATE: 2006-09-19
16 <160> NUMBER OF SEQ ID NOS: 52
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 25
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial
25 <220> FEATURE:
26 <223> OTHER INFORMATION: synthetic oligonucleotide probe
28 <400> SEQUENCE: 1
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32 <210> SEQ ID NO: 2
33 <211> LENGTH: 24
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial
37 <220> FEATURE:
38 <223> OTHER INFORMATION: synthetic oligonucleotide probe
40 <400> SEQUENCE: 2
41 gcatcacgtc cgtggccttc tccc                24
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 23
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: synthetic oligonucleotide probe
52 <400> SEQUENCE: 3
53 gcatcacgtc cgtggccttc tcc                23
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 22
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial
61 <220> FEATURE:
62 <223> OTHER INFORMATION: synthetic oligonucleotide probe
64 <400> SEQUENCE: 4
65 catcacgtcc gtggccttct cc                22

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## RAW SEQUENCE LISTING

DATE: 10/02/2006

PATENT APPLICATION: US/10/593,349

TIME: 15:47:12

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

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68 <210> SEQ ID NO: 5
69 <211> LENGTH: 21
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial
73 <220> FEATURE:
74 <223> OTHER INFORMATION: synthetic oligonucleotide probe
76 <400> SEQUENCE: 5
77 catcacgtcc gtggccttct c                               21
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 20
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial
85 <220> FEATURE:
86 <223> OTHER INFORMATION: synthetic oligonucleotide probe
88 <400> SEQUENCE: 6
89 atcacgtccg tggccttctc                               20
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 19
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial
97 <220> FEATURE:
98 <223> OTHER INFORMATION: synthetic oligonucleotide probe
100 <400> SEQUENCE: 7
101 atcacgtccg tggccttct                               19
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 18
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial
109 <220> FEATURE:
110 <223> OTHER INFORMATION: synthetic oligonucleotide probe
112 <400> SEQUENCE: 8
113 tcacgtccgt ggccttct                               18
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 25
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial
121 <220> FEATURE:
122 <223> OTHER INFORMATION: synthetic oligonucleotide probe
124 <400> SEQUENCE: 9
125 ggcacacgt ctgtggcctt ctccc                          25
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 24
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: synthetic oligonucleotide probe
136 <400> SEQUENCE: 10
137 gcatcacgtc tgtggccttc tccc                          24
140 <210> SEQ ID NO: 11

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## RAW SEQUENCE LISTING

DATE: 10/02/2006

PATENT APPLICATION: US/10/593,349

TIME: 15:47:12

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

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141 <211> LENGTH: 23
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial
145 <220> FEATURE:
146 <223> OTHER INFORMATION: synthetic oligonucleotide probe
148 <400> SEQUENCE: 11
149 gcatcacgtc tgtggccttc tcc 23
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 22
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <223> OTHER INFORMATION: synthetic oligonucleotide probe
160 <400> SEQUENCE: 12
161 catcacgtct gtggccttct cc 22
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 21
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial
169 <220> FEATURE:
170 <223> OTHER INFORMATION: synthetic oligonucleotide probe
172 <400> SEQUENCE: 13
173 catcacgtct gtggccttct c 21
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 20
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: synthetic oligonucleotide probe
184 <400> SEQUENCE: 14
185 atcacgtctg tggccttctc 20
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 19
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: synthetic oligonucleotide probe
196 <400> SEQUENCE: 15
197 atcacgtctg tggccttct 19
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial
205 <220> FEATURE:
206 <223> OTHER INFORMATION: synthetic oligonucleotide probe
208 <400> SEQUENCE: 16
209 tcacgtctgt ggccttct 18
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 25

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## RAW SEQUENCE LISTING

DATE: 10/02/2006

PATENT APPLICATION: US/10/593,349

TIME: 15:47:12

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

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214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: synthetic oligonucleotide probe
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224 <210> SEQ ID NO: 18
225 <211> LENGTH: 24
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial
229 <220> FEATURE:
230 <223> OTHER INFORMATION: synthetic oligonucleotide probe
232 <400> SEQUENCE: 18
233 gtctgcggga gccgatttca tcat 24
236 <210> SEQ ID NO: 19
237 <211> LENGTH: 23
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial
241 <220> FEATURE:
242 <223> OTHER INFORMATION: synthetic oligonucleotide probe
244 <400> SEQUENCE: 19
245 tctgcgggag ccgatttcat cat 23
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 22
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial
253 <220> FEATURE:
254 <223> OTHER INFORMATION: synthetic oligonucleotide probe
256 <400> SEQUENCE: 20
257 tctgcgggag ccgatttcat ca 22
260 <210> SEQ ID NO: 21
261 <211> LENGTH: 21
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial
265 <220> FEATURE:
266 <223> OTHER INFORMATION: synthetic oligonucleotide probe
268 <400> SEQUENCE: 21
269 ctgcgggagc cgatttcatc a 21
272 <210> SEQ ID NO: 22
273 <211> LENGTH: 20
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial
277 <220> FEATURE:
278 <223> OTHER INFORMATION: synthetic oligonucleotide probe
280 <400> SEQUENCE: 22
281 ctgcgggagc cgatttcatc 20
284 <210> SEQ ID NO: 23
285 <211> LENGTH: 19
286 <212> TYPE: DNA

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## RAW SEQUENCE LISTING

DATE: 10/02/2006

PATENT APPLICATION: US/10/593,349

TIME: 15:47:12

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

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287 <213> ORGANISM: Artificial
289 <220> FEATURE:
290 <223> OTHER INFORMATION: synthetic oligonucleotide probe
292 <400> SEQUENCE: 23
293 tgcgggagcc gatttcac 19
296 <210> SEQ ID NO: 24
297 <211> LENGTH: 18
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial
301 <220> FEATURE:
302 <223> OTHER INFORMATION: synthetic oligonucleotide probe
304 <400> SEQUENCE: 24
305 tgcgggagcc gatttcac 18
308 <210> SEQ ID NO: 25
309 <211> LENGTH: 25
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial
313 <220> FEATURE:
314 <223> OTHER INFORMATION: synthetic oligonucleotide probe
316 <400> SEQUENCE: 25
317 gtctgcggga gtcgatttca tcatc 25
320 <210> SEQ ID NO: 26
321 <211> LENGTH: 24
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial
325 <220> FEATURE:
326 <223> OTHER INFORMATION: synthetic oligonucleotide probe
328 <400> SEQUENCE: 26
329 gtctgcggga gtcgatttca tcat 24
332 <210> SEQ ID NO: 27
333 <211> LENGTH: 23
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial
337 <220> FEATURE:
338 <223> OTHER INFORMATION: synthetic oligonucleotide probe
340 <400> SEQUENCE: 27
341 tctgcgggag tcgatttcat cat 23
344 <210> SEQ ID NO: 28
345 <211> LENGTH: 22
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial
349 <220> FEATURE:
350 <223> OTHER INFORMATION: synthetic oligonucleotide probe
352 <400> SEQUENCE: 28
353 tctgcgggag tcgatttcat ca 22
356 <210> SEQ ID NO: 29
357 <211> LENGTH: 21
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial

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## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 10/02/2006

PATENT APPLICATION: US/10/593,349

TIME: 15:47:13

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52



**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/593,349

DATE: 10/02/2006

TIME: 15:47:13

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing  
(for reference only)**

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IFWP

## RAW SEQUENCE LISTING

DATE: 09/27/2006

PATENT APPLICATION: US/10/593,349

TIME: 10:18:47

Input Set : A:\129422 seq.txt

Output Set: N:\CRF4\09272006\J593349.raw

3 <110> APPLICANT: Kawase, Mitsuo  
 4 Yoshida, Yasuko  
 5 Yamada, Kazunari  
 6 Takarada, Yutaka  
 7 Hashimoto, Kouzo  
 9 <120> TITLE OF INVENTION: DNA Array and Method for Detecting Single Nucleotide Polymorphism  
 11 <130> FILE REFERENCE: 129422  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/593,349  
 C--> 14 <141> CURRENT FILING DATE: 2006-09-19  
 16 <160> NUMBER OF SEQ ID NOS: 52  
 18 <170> SOFTWARE: PatentIn version 3.3

Does Not Comply  
 Corrected Diskette Needed

(pg.1)

## ERRORED SEQUENCES

632 <210> SEQ ID NO: 52  
 633 <211> LENGTH: 31  
 634 <212> TYPE: DNA  
 635 <213> ORGANISM: Artificial  
 637 <220> FEATURE:  
 638 <223> OTHER INFORMATION: synthetic oligonucleotide probe  
 640 <400> SEQUENCE: 52  
 641 ttttaggat tgtaagcacc ccctgaatcc a  
 E--> 642 11

31

deleted

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/593,349

DATE: 09/27/2006  
TIME: 10:18:48

Input Set : A:\129422 seq.txt  
Output Set: N:\CRF4\09272006\J593349.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/593,349

DATE: 09/27/2006

TIME: 10:18:48

Input Set : A:\129422 seq.txt

Output Set: N:\CRF4\09272006\J593349.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:649 M:254 E: No. of Bases conflict, this line has no nucleotides.